System Performance and main features

1- INSTALLATION:

RIVERCLACK SYSTEM

Riverclack® panels are locked together by a special and patented clip made of polyamide, without any additional tool or seaming machine. Therefore a very fast and safe installation is achieved without any workmanship error risk. In addition, panels can be dismantled and re-installed without any loss; you can remove as many times as you want any sheet already installed on the roof that's because of the snap lock system.

Installation method:

1. Approach the first sheet to the fixing elements (Bracket) and joint sheet by simple press.
2. Lock the fixing element (Bracket) with two screws.
3. Approach the second sheet.
4. House second sheet by simple press.
5. Joint the second sheet.


(1)


(2)


(3)


(4)


(5)

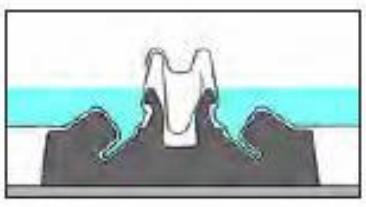
2- WATER PROOFING:

RIVERCLACK SYSTEM

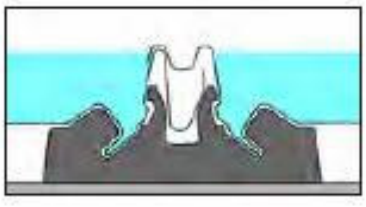
Riverclack® system is designed essentially for horizontal and/or wide arched roofs with very long pitches, where there is snow or water drift conditions following heavy rains. With its special draining joint, watertight in whatever weather condition, and Totally waterproofing in flat roofs (minimum 0,4 % slope): even if the roof is completely flooded the duct inside the joint (draining joint worldwide patented system) receives much less water than what is able to drain even in case of complete submersion of the covering itself, without using any gasket or sealant, Riverclack® panel will never leak. This performance has been tested, certified by independent institutes and the most important, has been approved by living examples.

Full waterproof even if the roof is flooded

Schematic shown how the drainage joint can guarantee the water proofing even in case of the roofing completely flooded by water.



(1)



(2)

(3)

3- THERMAL BRIDGE

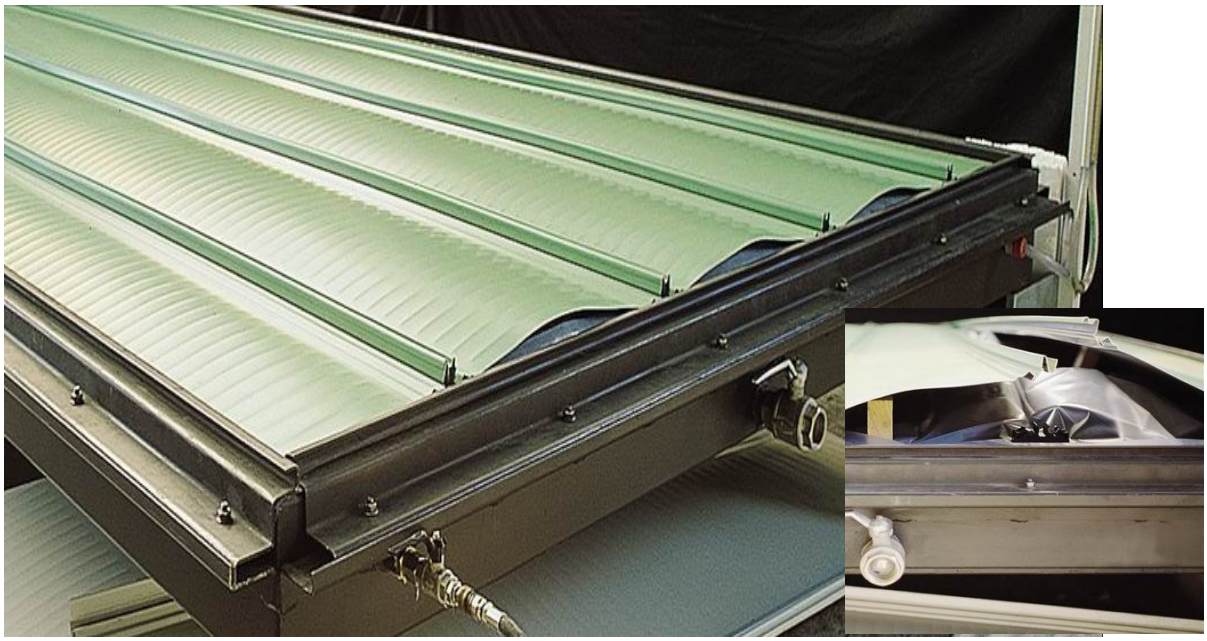
RIVERCLACK SYSTEM

Polyamide brackets set a space between metal cover and under structure thus preventing any thermal bridge or electro corrosion, and the fixing screws for the bracket is completely concealed inside the bracket it self to avoid any contact between the metal roof and the Structure.

4- WIND UPLIFT:

RIVERCLACK SYSTEM

Resistance to wind suction up to 750 Kg-f/m^2 is achieved by our Riverclack® system, and this performance does not decrease in the life time of the building.



5- WALKABILITY

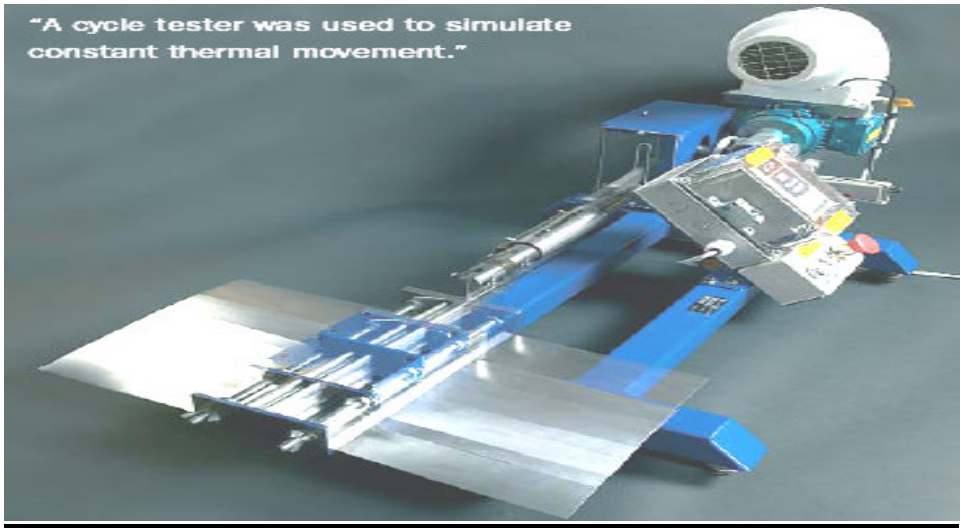
RIVERCLACK SYSTEM

Test loading of 0.7 mm thick aluminium was carried out by the insertion of a rubber layer between a piston and the steel roof to simulate the tread of industrial footwear. Both dynamic and statics-dynamic tests gave excellent results. The RIVERCLACK system can be described as completely safe and walkable. Moreover; RIVERCLACK®: It is made of a 5754 aluminium alloy. Unalterable possibility to walk on it in any condition during and after installation, without leaving any permanent deflection in any of its sections (normally used thickness 0,7 mm). No rigid support beneath is either required. This alloy has very high resistance to atmospheric agents and acid rain.

6- THERMAL EXPANSION

RIVERCLACK SYSTEM

Riverclack has a special joint designed to allow UNLIMITED freedom for the panels to expand and contract without any distortion or internal stress.



7- UN LIMTED SHEET LENGTH

The sheets as long as the roof pitch